

AMENDMENTS TO THE CLAIMS

Amend the claims, and/or add new claims, as follows:

1. to 18. (Canceled)

19. (Previously presented) A method for treating immunosuppression of skin cells induced by UVB radiation, said method comprising topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant;

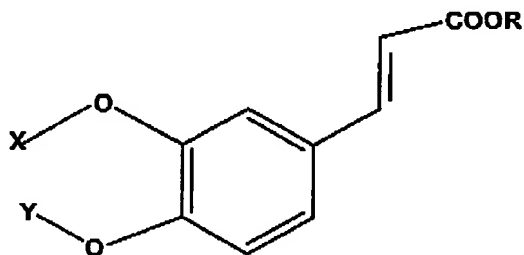
and preventing or treating immunosuppression of skin cells induced by UVB radiation.

20. The method according to claim 19, wherein the cosmetic or dermatological formulation comprises one or more cinnamic acid derivatives.

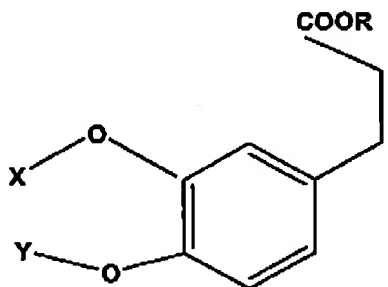
GHITA LAZENDORFER ET AL
USSN 08/849,525

21. (Previously presented) The method according to claim 20, wherein the one or more cinnamic acid derivatives are selected from the group consisting of hydroxycinnamic acid derivatives.

22. (Previously presented) The method according to claim 21, wherein the hydroxycinnamic acid derivatives are selected from those of the formula:



or the formula:



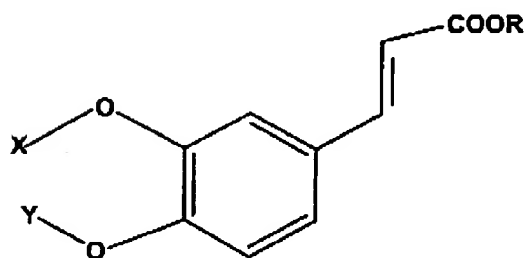
or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms.

GHITA LAZENDORFER ET AL
USSN 08/849,525

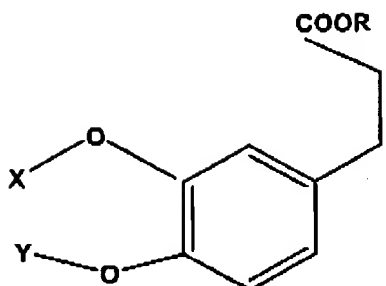
23. (Previously presented) The method according to claim 19, which comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) one or more hydroxycinnamic acid derivatives of the formula:



or the formula:

GHITA LAZENDORFER ET AL
USSN 08/849,525



or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) an antioxidant. --

24. (Previously presented) The method according to claim 19, wherein a symptom of the immunosuppression is inflammation, allergy or an autoimmune-reactive symptom.

25. (Previously presented) A method for protecting the cells which participate in the immune response of the skin from the damaging effects of UVB radiation, said method comprising topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

GHITA LAZENDORFER ET AL
USSN 08/849,525

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant;

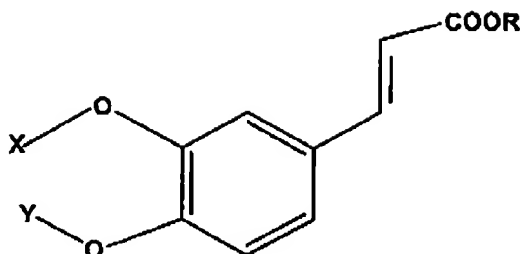
and protecting the cells which participate in the immune response of the skin from the damaging effects of UVB radiation.

26. (Previously presented) The method according to claim 25, wherein the cosmetic or dermatological formulation comprises one or more cinnamic acid derivatives.

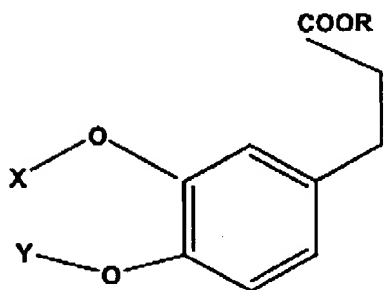
27. (Previously presented) The method according to claim 26, wherein the one or more cinnamic acid derivatives are selected from the group consisting of hydroxycinnamic acid derivatives.

28. (Previously presented) The method according to claim 27, wherein the hydroxycinnamic acid derivatives are selected from those of the formula:

GHITA LAZENDORFER ET AL
USSN 08/849,525



or the formula:



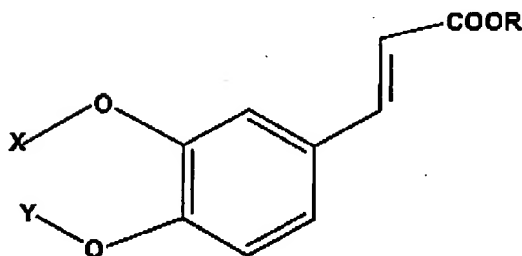
or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms.

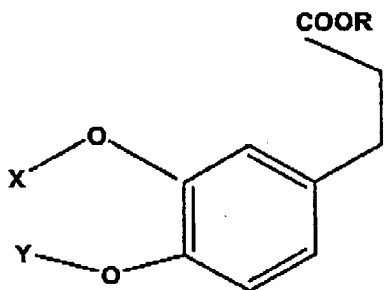
29. (Previously presented) The method according to claim 25, which comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising:

GHITA LAZENDORFER ET AL
USSN 08/849,525

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) one or more hydroxycinnamic acid derivatives of the formula:



or the formula:



or mixtures thereof,

GHITA LAZENDORFER ET AL
USSN 08/849,525

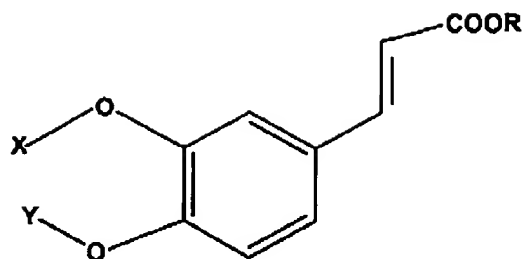
wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) an antioxidant.

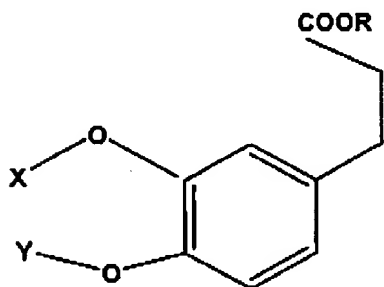
30. (Previously presented) A cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) one or more hydroxycinnamic acid derivatives of the formula:

GHITA LAZENDORFER ET AL
USSN 08/849,525



or the formula:



or mixtures thereof,

wherein X, Y and R independently represent H or branched or unbranched alkyl have 1 to 18 carbon atoms; and

c) optionally an antioxidant.

31. (Previously presented) The cosmetic or dermatological formulation according to claim 30, which comprises an antioxidant.

32. (Previously presented) A cosmetic or dermatological formulation comprising:

GHITA LAZENDORFER ET AL
USSN 08/849,525

- a) one or more flavonoids selected from the group consisting of alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, myricetin, rhamnetin, apigenin, hesperitin, morin, phloridzin, diosmin, vitexin, neohesperidin dihydrochalcone, flavone, and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant.

33. (Previously presented) The cosmetic or dermatological formulation according to claim 32, which comprises an antioxidant.

34. (New) A cosmetic or dermatological formulation comprising active agents, wherein the active agents further comprise:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, myricetin, rhamnetin, apigenin, hesperidin, hesperitin, morin, phloridzin, diosmin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) at least one cinnamic acid derivatives; and
- c) at least one antioxidants,

and wherein the active agents decrease the UV-induced inhibition of antigen-dependent T-cell proliferation.

GHITA LAZENDORFER ET AL
USSN 08/849,525

35. (New) The method of claim 25, wherein the protecting of the cells comprises decreasing the UV-induced inhibition of antigen presentation.

36. (New) The method of claim 25, wherein the protecting of the cells comprises decreasing the UV-induced inhibition of antigen-presentation-induced T-cell proliferation.

GHITA LAZENDORFER ET AL
USSN 08/849,525

AMENDMENTS TO THE CLAIMS

Amend the claims, and/or add new claims, as follows:

19. (Previously presented) A method for treating immunosuppression of skin cells induced by UVB radiation, said method comprising topically applying to the skin of a person in need thereof an effective amount thereof of a cosmetic or dermatological formulation comprising:

- a) one or more flavonoids selected from the group consisting of alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylisoquercitrinin, alpha-glucosylquercitrin, quercitin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin dihydrochalcone, flavone, glucosylrutin and genistein;
- b) optionally one or more cinnamic acid derivatives; and
- c) optionally an antioxidant;

and preventing or treating immunosuppression of skin cells induced by UVB radiation inhibition of T-cell proliferation.

20. (Previously presented) The method according to claim 19, wherein the cosmetic or dermatological formulation comprises one or more cinnamic acid derivatives.